

ENVISION
by AOC

User's Manual

— LCD TV

ENVISION
by AOC

Owner's Manual





L19W661



Z41T9010813 1A

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| SYMBOL | SYMBOL DEFINITION |
|--|---|
|  SA 1965 | DANGEROUS VOLTAGE: The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electrical shock to persons. |
|  SA 1966 | INSTRUCTIONS: The exclamation point within an equilateral triangle to alert the User to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance. |

Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, Such as vases, Shall be placed on the apparatus.

Caution - Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

FOR YOUR SAFETY

Before operating the TV please read this manual thoroughly. This manual should be retained for future reference.

FCC Class B Radio Frequency Interference Statement WARNING: (FOR FCC CERTIFIED MODELS)

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.


NOTICE

1. The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
2. Shielded interface cables and AC power cord, if any, must be used in order to comply with the emission limits.
3. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modification to this equipment. It is the responsibilities of the user to correct such interference.

WARNING:

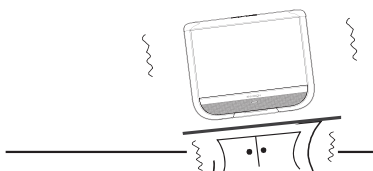
To prevent fire or shock hazard, do not expose the TV to rain or moisture. Dangerously high voltages are present inside the TV. Do not open the cabinet. Refer servicing to qualified personnel only.

SAFETY: Lamp Disposal

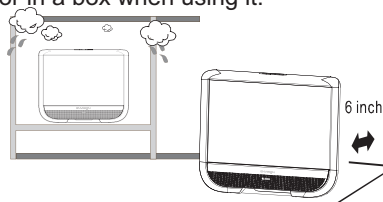
 LAMP(S) INSIDE THIS PRODUCT CONTAIN MERCURY AND MUST BE RECYCLED OR DISPOSED OF ACCORDING TO LOCAL, STATE OR FEDERAL LAWS. FOR MORE INFORMATION, CONTACT THE ELECTRONIC INDUSTRIES ALLIANCE AT WWW.EIAE.ORG.

PRECAUTIONS AND REMINDERS

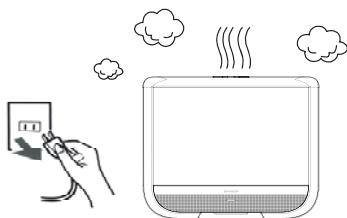
Place unit on even surfaces.



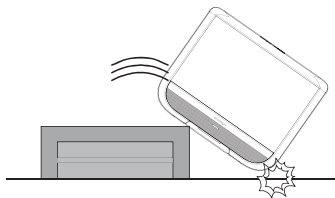
Don't place the TV in confined spaces or in a box when using it.



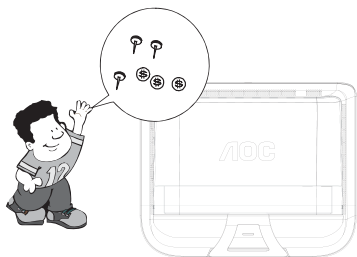
Unplug immediately if is malfunction like no picture, no video/audio, smoke and bad odor from TV.



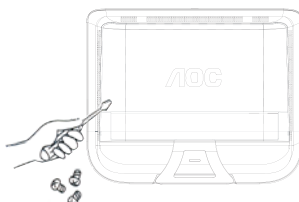
Unplug immediately if other foreign materials are put inside TV box or if the TV fell down.



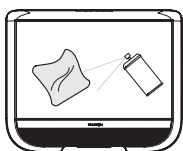
Don't throw any object inside the TV box like metals or other flammable materials.



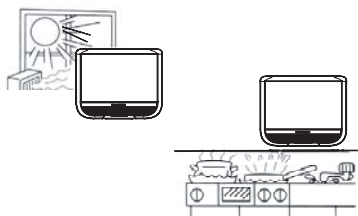
Prohibit/Avoid opening TV cabinet



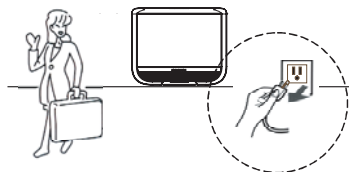
Remember to unplug the AC cord from the AC outlet before cleaning. Do not use liquid cleaners or aerosol cleaners to clean the display.



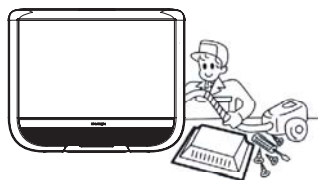
Avoid direct sunlight, dusty, high humidity and smoky areas.



Make sure to unplug the unit when not in use for a long period of time (days).



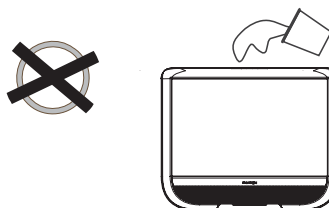
Call service personnel to clean the internal part of the TV once a year.



Do not cover or block any vents and openings. Inadequate ventilation may shorten the life of the display unit and cause overheating.



Do not place the display near water, such as bathtub, washbasin, kitchen sink laundry tub, swimming pool or in a damp basement.



Notice for Remote Controller

Avoid Dropping



Avoid Liquids



Avoid Aerosol Cleaners



IMPORTANT SAFETY INSTRUCTIONS

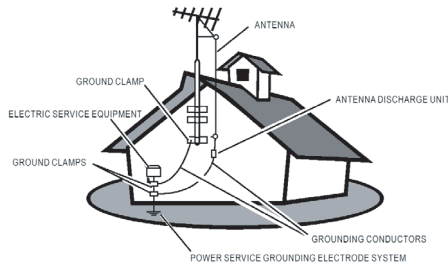
Read before operating equipment

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and third grounding prong. The wide blade or third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



13. The TV should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
14. Unplug this apparatus during lightning storms or when unused for long periods of time.
15. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
16. This product may contain lead or mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: www.eiae.org
17. **Damage Requiring Service** – The appliance should be serviced by qualified service personnel when:
 - A. The power supply cord or the plug has been damaged; or
 - B. Objects have fallen, or liquid has been spilled into the appliance; or
 - C. The appliance has been exposed to rain; or
 - D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
 - E. The appliance has been dropped, or the enclosure damaged.

18. **Tilt/Stability** – All televisions must comply with recommended international global safety standards for tilt and stability properties of its cabinets design.
- Do not compromise these design standards by applying excessive pull force to the front, or top, of the cabinet, which could ultimately overturn the product.
 - Also, do not endanger yourself, or children, by placing electronic equipment/toys on the top of the cabinet. Such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.
19. **Wall or Ceiling Mounting** – The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
20. **Power Lines** – An outdoor antenna should be located away from power lines.
21. **Outdoor Antenna Grounding** – If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electric Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mats and supporting structure grounding of the lead-in wire to an antenna-discharge unit, size of grounding connectors, location of antenna-discharge unit, connection to grounding electrodes and requirements for the grounding electrode. See Figure below.



EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE

Note to the CATV system installer: This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

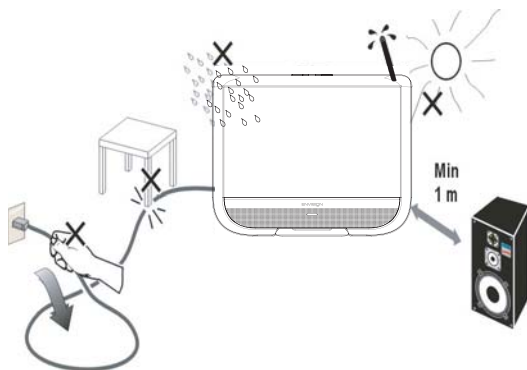
Please, make sure to connect the power plug to the wall outlet socket after connecting the TV to the adapter!

22. **Objects and Liquid Entry** – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

PREPARATION

Please, make sure to connect the power plug to the wall outlet socket after connecting the TV to the power cord!

1. **Install the base stand; place the TV on a solid surface.**



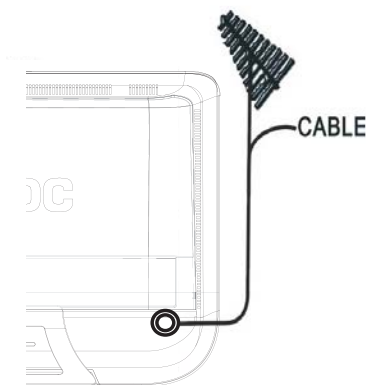
English

Ensure that the TV is placed in a position to allow free flow of air. Do not cover the ventilation openings on the back cover.

To prevent any unsafe situations, no naked flame sources, such as lighted candles, should be placed on or in the vicinity.

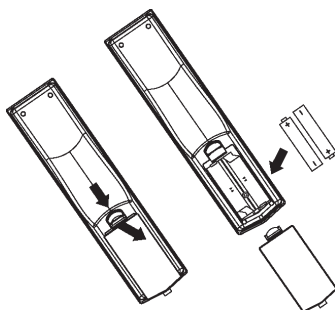
Avoid heat, direct sunlight and exposure to rain or water. The equipment shall not be exposed to dripping or splashing.

2. Connect the antenna cable or CATV cable to the aerial socket **ANT IN 75Ω** at the back of the TV set.



3. Remote control:

Remove the cover of the battery compartment. Insert the 2 batteries supplied (Type AAA 1.5V).

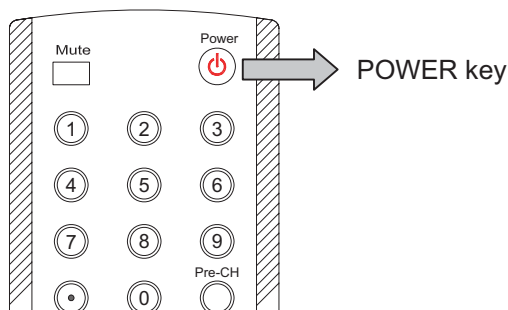


4. Power:

Insert the power cord in the wall socket having an AC power supply. You can see LED states at the front panel. If the LED color is Green, means the TV set is power on. If the LED color is red, which means this TV set is in stand by state.

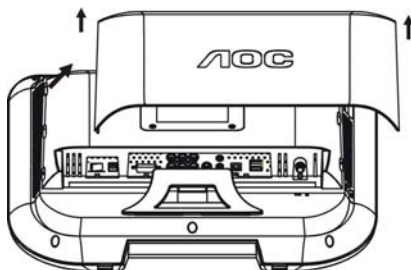
5. Turn on the TV:

Push the POWER key on the Remote control or the control knobs on top of TV. The TV will be power-on and the user can see the display on the screen after a few seconds.

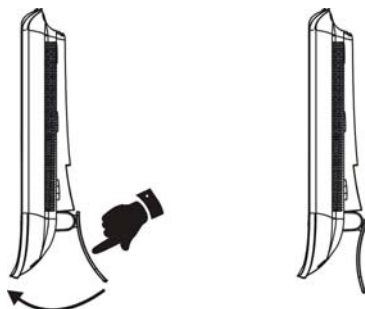


Attaching Wall Mounting Arm

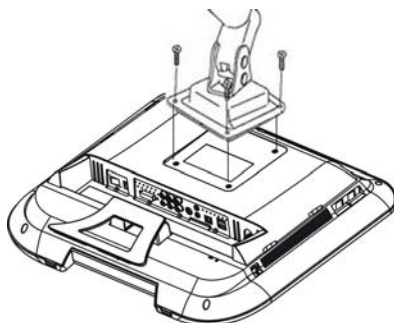
Preparing to Install An Optional Wall Mounting Arm:



1. Remove the lid on back cover



2. push the stand ahead until hear “ka”



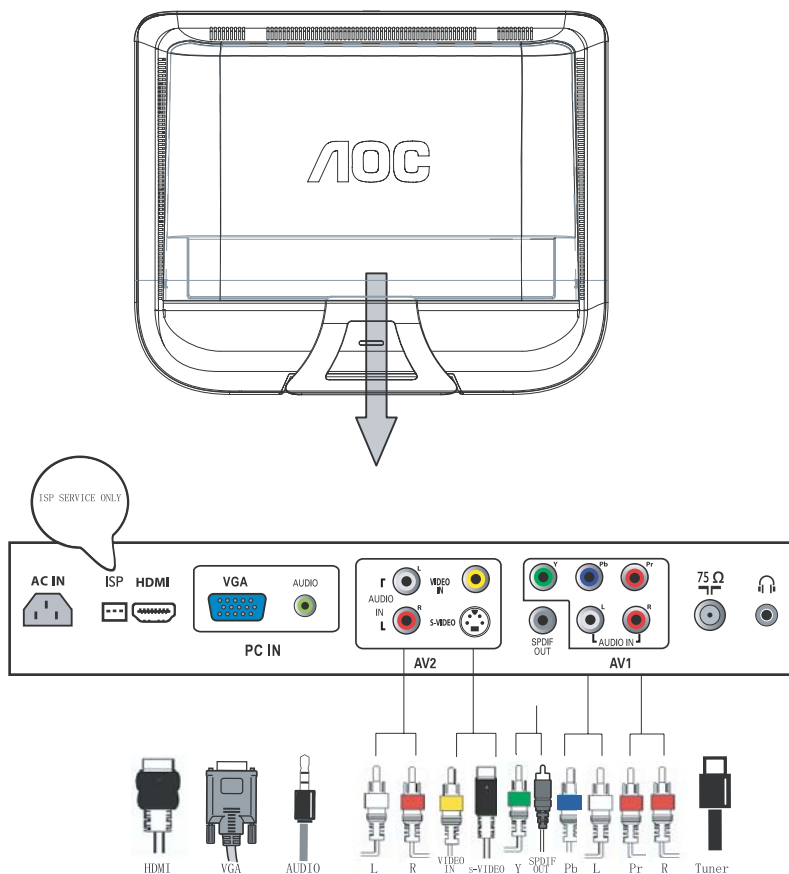
This TV can be attached to a wall mounting arm you purchase separately (The height of WALL MOUNTING should be over 21mm). Disconnect power before this procedure. Follow these steps:

1. Remove the attached backcover .
2. Follow the manufacturer's instructions to assemble the wall mounting arm.
3. Place the wall mounting arm onto the back of the TV. Line up the holes of the arm with the holes in the back of the TV.
4. Insert the 4 screws into the holes and tighten.

Reconnect the cables. Refer to the user's manual that came with the optional wall mounting arm for instructions on attaching it to the wall.

PERIPHERAL CONNECTION GUIDE

English



DVD/VCD/VCR/STB

Once your equipment is connected, use the following procedure to view the input signal:

Press the source button on the remote controller to select the relevant source to view. (ex: Press VIDEO button to select AV2(S-Video/Composite source mode) if you have connected a DVD player to Video 2 socket.)

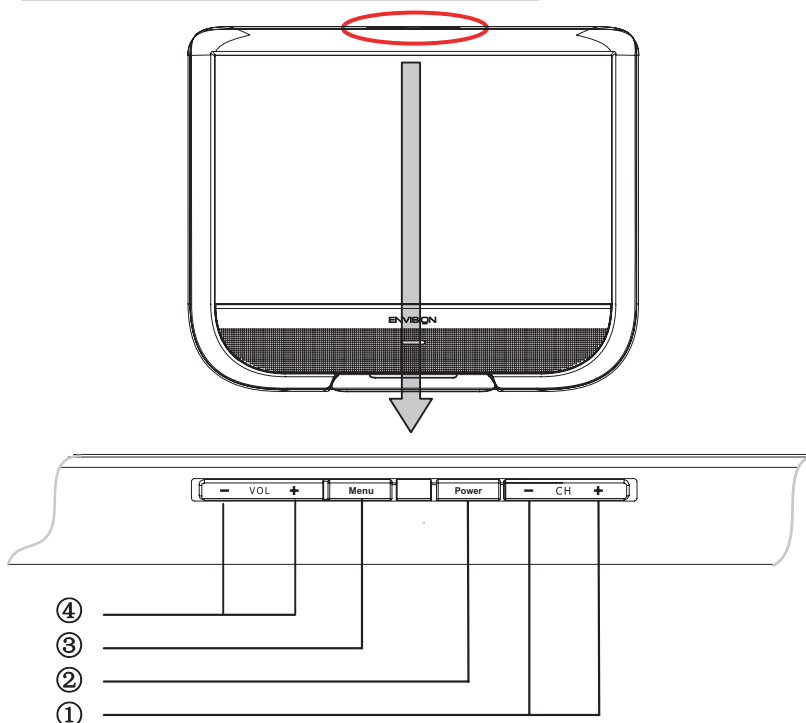
"HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC."

Note: The MUTE key on the remote control works on both TV internal speaker and the earphone output.

OPERATION INSTRUCTIONS

TO USE THE FRONT PANEL CONTROL

English



| | |
|-----------|---|
| ① - CH + | CH - : Press to select the next lower Program number. CH +: Press to select the next higher Program number. |
| ② Power | Power key: Press to turn on / off (standby) the TV set. (Press to turn on TV after the Power-ON status LED had changed to the Amber color and finished flashing.) |
| ③ Menu | Menu key: Press to open or exit the OSD menu. |
| ④ - VOL + | VOL - : Press to decrease the sound volume level. VOL +: Press to increase the sound volume level. |

TO USE THE REMOTE CONTROL

"MUTE"

Press to set TV sound mute ON/OFF.

"0 ~ 9/ - number"

1. Press to enter TV channel number to select channel.
2. Press the passcode to activate the factory mode.
3. Press to activate the factory mode.

"." (dot)

Type the dot for digital channels.

"SLEEP"

Press to set a time period after which the TV should switch itself to standby mode.

"VOL- / VOL+"

Press + or - to adjust the volume.

"CH- / CH+"

Press + or - to browse through the TV channels.

"Add.Fav"

1. Press to add or remove a channel in the favorite list of TV channels.
2. Press to proceed command for function which require to press in yellow.

"VIDEO"

Press repeatedly to choose S-Video/ Composite source mode.

"FREEZE"

Press to freeze the displayed picture.

"COMP"

Press repeatedly to choose Component source mode.

"PC"

Press repeatedly to choose VGA source mode.

"MENU/EXIT"

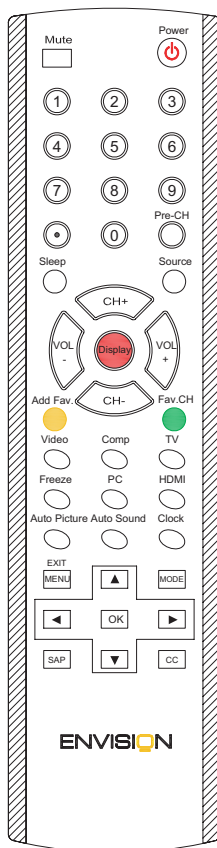
Press to open or exit the OSD menu.

"▲", "▼", "◀", "▶"

Press to adjust the various function items on the menu.

"SAP"

Press to select a sound mode if available with the TV programming: Stereo, SAP or Mono tone.



"POWER"

Press to power ON /OFF (standby) TV.

"Pre-CH"

Press to display the previous TV.

"Source"

1. Press repeatedly to select the input sources.
2. The Source List should be activated and show on OSD.

"DISPLA Y"

1. Press to show the information about the selected TV channel and program or accessory device.
2. Press to proceed command for function which require in red.

"FAV.CH"

1. To display a list of all channels marked as favorite (incl. sub channels).
2. Press to proceed command for function which require to press in Green

"TV"

Press to choose ATSC/NTSC TV source mode.

"HDMI"

Press repeatedly to choose HDMI source mode.

"Auto Sound"

Press repeatedly to select among the three settings; Personal, Speech, Movies.

"Auto Picture"

Press repeatedly to select among Personal, Rich, Natural, Soft, or Power saver settings.

"Clock"

Press to show the current time in the right bottom of screen.

"OK"

1. Press button to activate the setting /selection of OSD
2. Press to return previous level
3. Press to summon channel list

"MODE"

Press to toggle among screen Automatic/ Super Room /4:3 Movie expand 14:9 Movie expand 16:9 /16:9 subtitle /widescreen.

"CC"

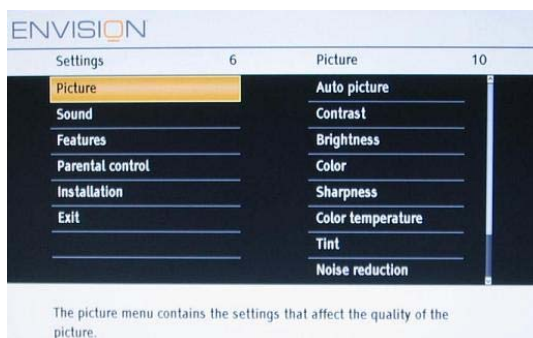
Press repeatedly to change the closed caption types ON/OFF/ON during mute.

TO USE THE MENUS

Introduction

When you use a menu or take an action, convenient instructions, help texts and messages will be displayed on your TV. Please, follow the displayed instructions and read the help text on the specific item highlighted.

The color buttons perform different actions, when using on screen menu. By pressing the corresponding color button on the remote control to perform

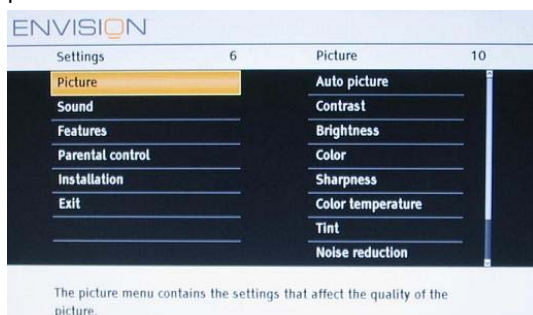


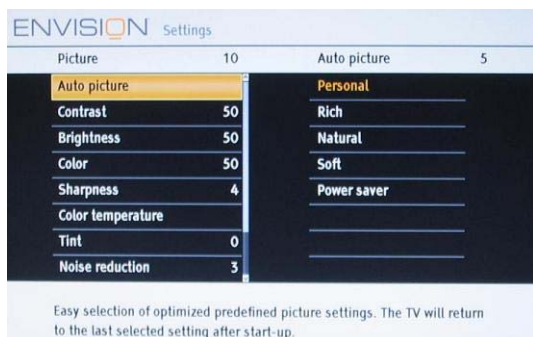
How to navigate through the Settings menus

The Settings menu allows you to access and change settings and preferences settings.

- Press the **MENU** button on the remote control to display the Settings menu.
- Use cursor up/down to highlight and select a menu item on the left panel.

The right panel shows the content of the menu you have highlighted in the left panel.





Note: Sometimes not all the menu items are visible on the screen. Use cursor down to scroll down to additional items.

- Use the cursor right to enter the right panel.

The content of the right panel is moved to the left panel and the right panel shows the content of the newly highlighted item in the left panel.

Note: In some cases, you will want to watch the picture on your screen while adjusting settings. This means that when the highlight is on the right side panel, the other menu items are hidden. When the cursor left is pressed again, the hidden menu items re-appear and the highlight moves to the left panel.

- Press the cursor left to go one menu level up again.
- Press the **OK** button on the highlighted item to activate and to dismiss the menu.
- Press the **MENU** button again to exit the Settings menu.

Note: The menu is also dismissed by pressing one of the color buttons (if present) referring to certain actions which may be executed.

TV MENU-INSTALLATION

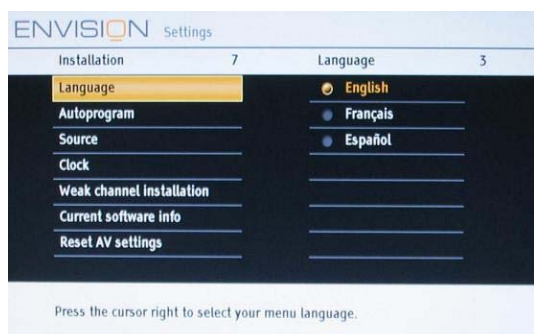
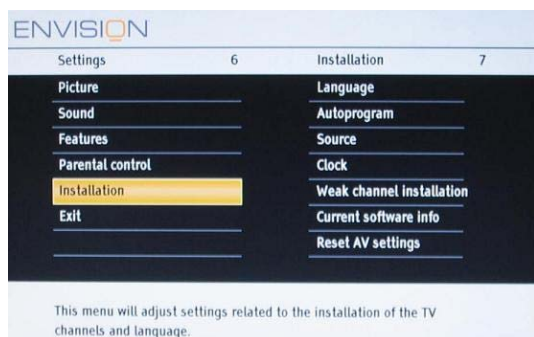
Select the menu language

1. Press the **MENU** button on the remote control.
2. Use the cursor down to select **Installation** in the Settings menu.
3. Use the cursor right to enter the Installation menu.
4. Select **Language** and enter the list of available languages with the cursor right.

(English / Spanish/ French)

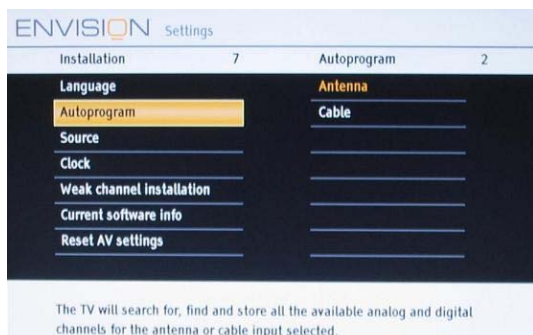
5. Select your preferred language with the cursor up/down and press the **OK** button to confirm your selection.

6. Proceed with the Installation menu.



Store TV channels

1. Select **Autoprogram** in the Installation menu.
2. Use the cursor right to enter the Autoprogram menu.
3. Select **Cable** or **Antenna** in the Installation mode.



When **Antenna** is selected, the TV will detect antenna signals and will search for antenna TV (NTSC and ATSC) channels available in your local area.

When **Cable** is selected, the TV will detect cable company supplied signals and will search for cable TV (NTSC, ATSC, QAM modulated) channels available in your area.

Make sure that registration with your cable TV provider and connection of equipment are completed.



4. Select **Start now** with the cursor right key.

5. Press the **OK** button.

6. Press the green button “**Start**” to start Autoprogramming. The menu screen disappears and the progress of Autoprogramming is displayed. The progress bar indicates the number of analog and digital TV channels found.

Auto programming may take up to 20 minutes to complete. Digital channels will

take longer than Analog to find and program. Please wait until you see the Auto Programming complete message. The TV will then switch automatically to the first channel found.

Note: All channels must be unlocked in order to autoprogram. If requested, enter your PIN code to unlock all channels. (p.35)

Notes:

- *When you have locked TV channels before initiating Autoprogram, a message appears asking to enter your PIN code in order to complete Autoprogramming.*
- *When channel update is interrupted, the new updated channel information is retained along with the old un-updated channel information.*
- *Channel information about an ATSC channel is updated only for the ATSC channel currently tuned.*
- *If an NTSC channel is tuned, then in Background Autoprogramming the TV will scan all the possible ATSC frequencies and update information.*
- *Weak channel installation allows you to manually tune weak ATSC channels in order to adjust the antenna and thus optimize signal quality for that channel. (See Installation menu, Weak channel installation, p. 19.)*
- *Once you have searched for the available Antenna as well as the Cable TV channels, they are stored in the memory.*
- *If Antenna/cable signal is interrupted more than 30 minutes, TV will go into off mode. You are requested to press **Power** button or **CH + I -** button to turn on the TV.*

Channel tuning

Available channels:

- Cable (analog NTSC or digital QAM)
- Terrestrial (analog NTSC or digital ATSC)

If a tuned channel is not yet in the master channel map, the TV will attempt to tune to the channel and it will be added to the map.

If the channel is not acquired, a message will appear reporting that the channel is not available. When you tune an audio-only digital subchannel, a display appears

with the message Audio only.

Note: Subchannel selections

The new standards employed with digital broadcasting make it possible to receive multiple program channels under a single major channel number which can be selected by pressing the digit remote control direct-access channel number entry.

Important:

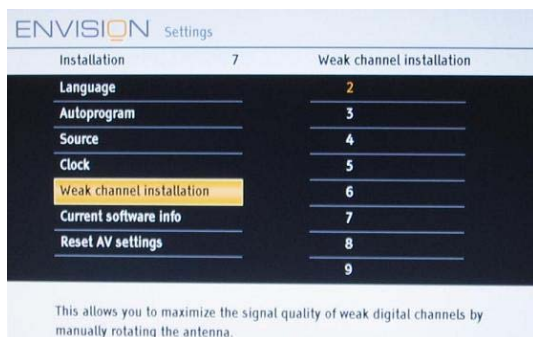
After the installation of the TV channels is completed, always make a selection in the Installation menu between Antenna or Cable whether you want to watch Antenna TV channels or Cable TV channels.

If you make use of a signal splitter do not forget to put the switch in the corresponding position.

Note: Digital Channel selection delay

Due to the tuning complexity of subchannel digital programming, the time to select and view a digital channel may take slightly longer than what the viewer is normally accustomed to (as compared to analog channel programs). Digital channel broadcasts contain program and system data information that must be processed before the channel selection can be displayed.

Weak channel installation



Antenna reception for broadcast channels may vary. If you are having difficulties acquiring weaker signals, we suggest you use:

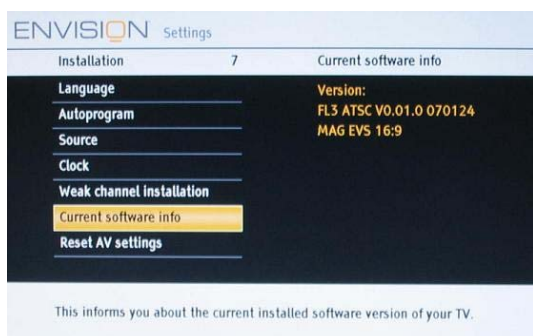
Weak Signal Installation feature.

Here's how:

1. In the antenna mode, select a channel from the displayed list of TV channels. Select the "Start" by pressing red button on the remote control; TV set will detect the signal.
2. The signal strength is continuously displayed and updated as you rotate the antenna.

When strength is enough to identify, user can store the channel in the channel list by pressing green button on the remote control.

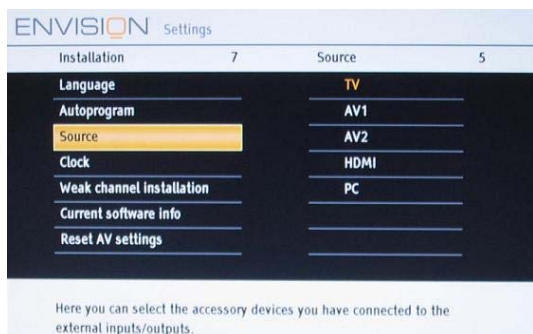
Current software info



This menu will appear with your TV software information.

1. Press the **MENU** button on the remote control.
2. Use the cursor down to select **Installation** in the Settings menu.
3. Using the cursor up/down to choose **Current software info** the TV software information is displayed.

Source



This menu allows you to identify the accessory devices you have connected to the external inputs/outputs.

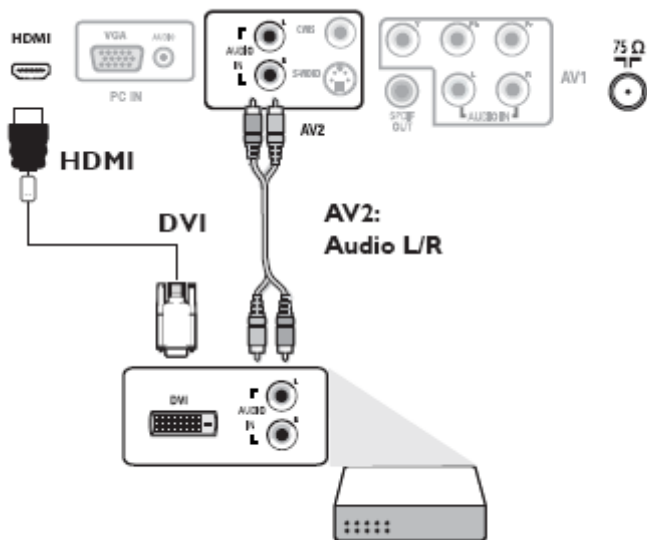
1. Select **Source** in the **Installation** menu.
2. Press the cursor right to enter the list, and press up/down key to the selected input.
3. Press **OK** button to confirm.

Analog Audio In

If your accessory device has a DVI output connector, only the video signal is transmitted in digital format. To input an audio signal, please connect the analog audio L and R outputs to the TV's L and R AV2 audio input plugs.

Digital Audio Out

In addition to accepting audio input through **HDMI**, the TV can output Digital audio through the **DIGITAL AUDIO OUT** (SPDIF OUT) connector to an external amplifier or receiver. If your amplifier or receiver has a matching connector for Digital Audio In, you can connect it with a single cable to the TV's DIGITAL AUDIO OUT (SPDIF OUT). See Cover and Connection.



AV1

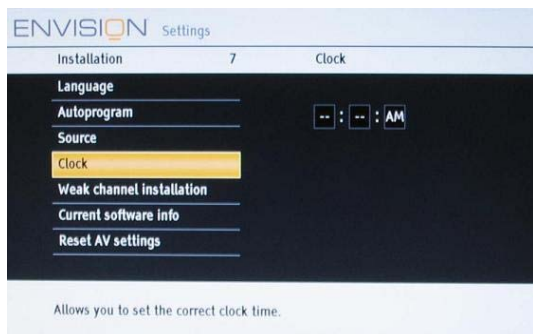
AV1 supports component input.

AV2 (S-video/CVBS)

AV2 supports two source inputs (S-video and CVBS) and automatically search the inputs, S-video is the high priority.

In case you have two inputs and want to show the signal from CVBS, please turn off S-video device or plug off s-video cable."

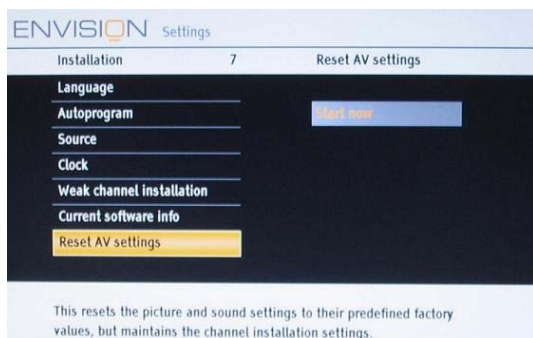
Clock



This allows you to use your TV as a clock.

1. Press the **MENU** button on the remote control.
2. Use the cursor down to select **Installation** in the Settings menu.
3. Press the cursor right to enter the list, and press up/down key to set the time.
(hour/ minute/ AM or PM)
4. Press **OK** button to confirm.

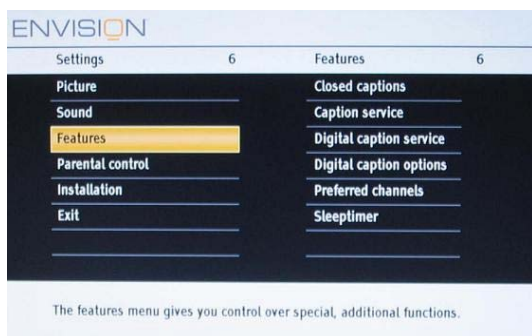
Reset AV settings



This function allows you to reset most of the picture and sound settings to their default factory levels.

1. Select **Reset AV settings** with the cursor down key.
2. Press the cursor right key.
3. Press the **OK** button to erase settings and reset them to their default values.

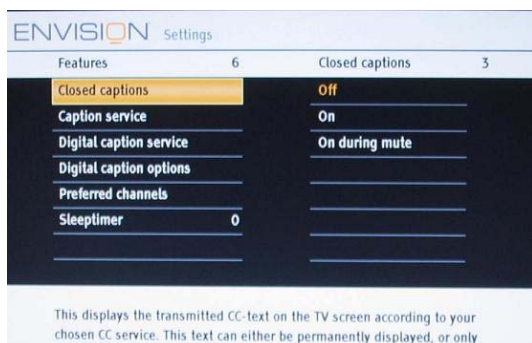
TV MENU- FEATURES

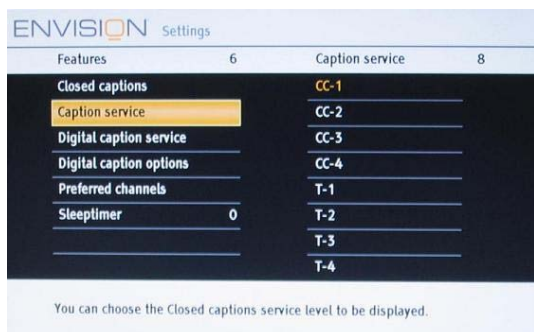


Features menu

1. Select **Features** in the TV Settings menu.
2. Press the cursor right key to enter the features menu.
3. Select the menu items with the cursor up/down key and adjust the settings with the cursor left/right key.

Closed captions





This displays the transmitted CC- or CS-text on the screen according to your chosen CC or CS service in the **Feature** menu. This text can either be permanently displayed (assuming that the service is available in the broadcast) or only when mute is active.

1. Press the cursor right key after having selected Closed captions.
2. Select On, Off or On during mute.

Caption service

This allows you to select the Closed Captions service levels of analog broadcasting to be displayed.

Closed Captioning allows you to read the voice content of television programs on the TV screen. Designed to help the hearing impaired, this feature uses on-screen 'text boxes' to show dialogue and conversations while the TV program is in progress. Captions will appear on the screen during captioned broadcasts.

1. Select **Captions service**.
2. Press the cursor right key.
3. Select the desired Caption service:

- CC 1,2,3 or 4

Dialogue (and descriptions) for the action on the captioned TV program shows on screen.

Usually CC1 is the most used. CC2 may be used for alternate languages if they are being transmitted.

- T 1,2,3 or 4

Often used for channel guide, schedules, bulletin board information for Closed

Captions programs, news, weather informations or stock market reports.
Not all Caption services are necessarily being used by a TV channel during the transmission of a Closed Caption program.

4. See Closed Caption in the TV, Features menu, to turn the Caption service On or Off.

Note: This television provides display of television closed captioning conforming with the EIA-608 standard and in accordance with Sections 15.119 of the FCC rules.

Note: The captions do not always use correct spelling and grammar. Not all TV programs and product commercials are made for broadcast with Closed Caption informations included.

Refer to your area's TV program listings for the TV channels and times of Closed Caption programming. Captioned programs are usually noted in the TV listings with service marks such as 'CC'.

Digital caption service

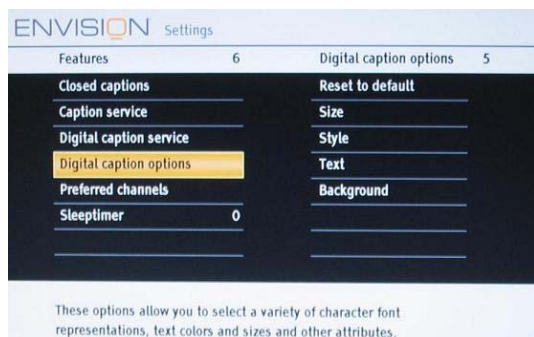


This allows you to configure the way you choose to view digital captioning.
Select one of the digital service channels made available by the caption provider.
There are six standard services. Service 1 is designated as the Primary Caption Service. This service contains the verbatim, or near-verbatim captions for the primary language being spoken in the accompanying program audio.
Service 2 is designated as the Secondary Language Service. This service

contains captions in a secondary language, which is a translation of the captions in the primary Caption Service. The other service subchannels are not pre-assigned.

It is up to the discretion of the individual caption provider to utilize the remaining service channels.

Digital caption options



This allows you to modify how digital captions are displayed on your TV. Select from the following options to change the visual characteristics of your TV's digital captioning.

Reset to default

Select this option to reset the digital caption options to the captions provider default settings.

Press the **OK** button to confirm.

• Size

Select this option to choose a caption display size according to your own preference. Select **Default (Automatic)**, **Small**, **Standard** or **Large** and press the **OK** button to confirm.

• Style

Select this option to choose a caption display font style according to your own preference. Select **Default**, **Mono spaced serif**, **Serif**, **Monospaced sans serif**, **Sans serif**, **Casual**, **Cursive** or **Small caps**.

• Text

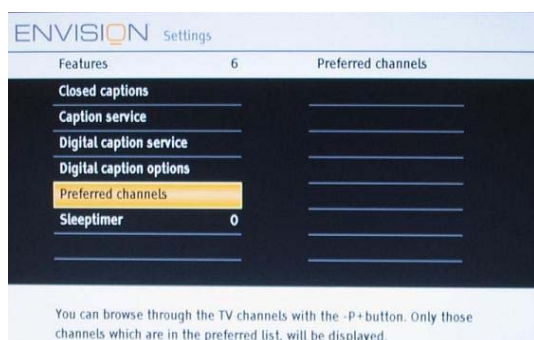
Select this option to choose caption display text box, text color and/or the opacity according to your own preference. Select a color and an opacity option.

• Background

Select this option to choose caption display character back ground color or one of the background opacity options according to your own preference. Select a color and one of the opacity options.

Note: Opacity is transparent (allowing light to pass through)

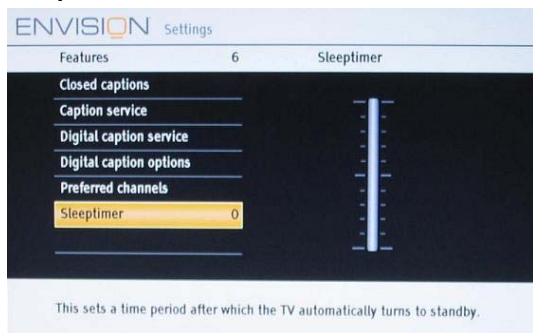
Preferred channels



A channel, when installed, is marked as preferred by default and added to the channel list. This feature provides the ability to remove a channel number from the channel list.

1. Select **Preferred channels** with the cursor down key.
2. Press the cursor right key to enter a list with all stored Channel numbers.
3. Select the channel you want to remove with the cursor down key.
4. Press **OK**.
5. Repeat to remove other channels.

Sleeptimer



This sets a time period after which the TV automatically turns to standby.

1. Select **Sleeptimer**.

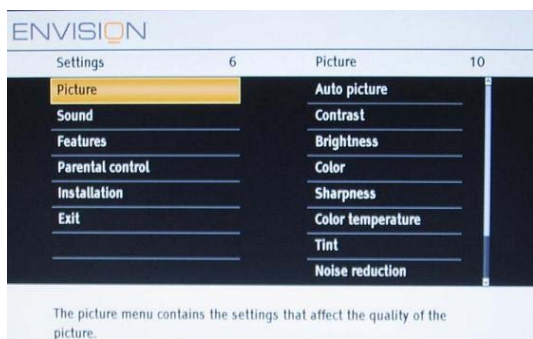
2. Press the cursor right key.

3. Select a value with the cursor up/down key. The list will have values from Off to 180 minutes. When **Off** is selected, the sleeptimer is turned off.

You can always turn off your TV earlier or select another time set.

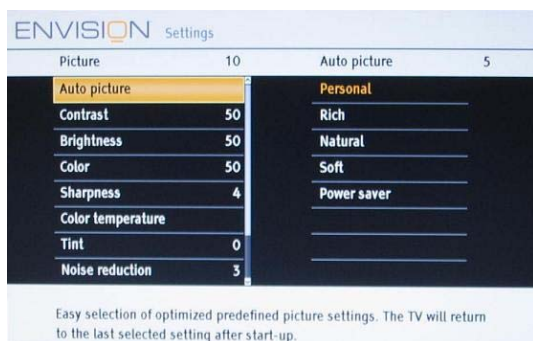
TV menu-Picture & Sound

TV MENU-PICTURE



Note: Some menu items are not available in case of HD sources.

1. Press the cursor right key to select **Picture**.
2. Press the cursor right key again to enter the Picture menu.
3. Select the menu items with the cursor up/down key.
4. Adjust the settings with the cursor left/right key or enter the list of submenu items with the cursor right key. Select a submenu item with the cursor up/down key.



Auto picture

1. Select **Auto picture** to display a list of predefined picture settings, each corresponding with specific factory settings. **Personal** refers to the personal preference settings of picture in the picture menu.

*Note: This Envision TV has been set at the factory to look best in bright store environments, which typically use fluorescent lighting. As your home will likely not be as well lit as a store, we recommend that you cycle through the various auto picture modes to find the one that best suits your own viewing conditions. Most consumers will find that **Natural** is the correct choice.*

2. You can press the **Auto picture** button on the remote control repeatedly to select either Personal, Rich, Natural, Soft, or Power saver picture settings.

Note:

- When you watch programs by Composite Video signal, it's recommended to select **Soft or Power saving Mode** via Auto picture.
- The moment you are in a predefined Auto picture setting and you modify

the Picture menu, all values of the menu will overwrite those previously made in personal setting.

Contrast

This will adjust the intensity of bright parts in the picture but keep the dark parts unchanged. The tuning range is 0 ~ 100.

Brightness

This will adjust the light output of the complete picture, which will mainly affect the darker areas of the picture. The tuning range is 0 ~ 100.

Color

This will adjust the saturation level of the colors to suit your personal preference. The tuning range is 0 ~ 100.

Sharpness

This will adjust the sharpness of fine details in the picture. The tuning range is 0 ~ 7.

Color temperature

This will increase or decrease **Warm** (red) and **Cool** (blue) colors to suit personal preferences(Normal/Warm/Cool). The default mode is **Normal**.

Select **Cool** to give the white colors a blue tint, **Normal** to give the white colors a neutral tint, **Warm** to give the white colors a red tint.

Tint

Allows you to select the picture's color mix or hue. The tuning range is -7 ~ 7.

Noise Reduction

Reduce picture noise. The tuning range is 0 ~ 5.

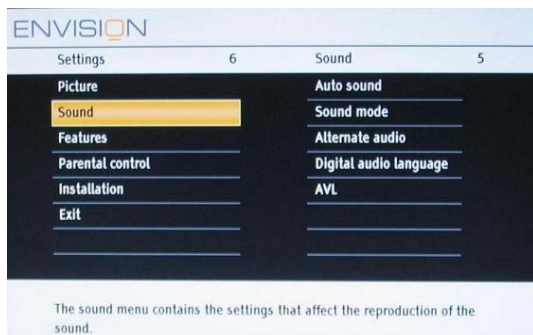
Dynamic contrast

Enhance contrast ratio.

Picture format

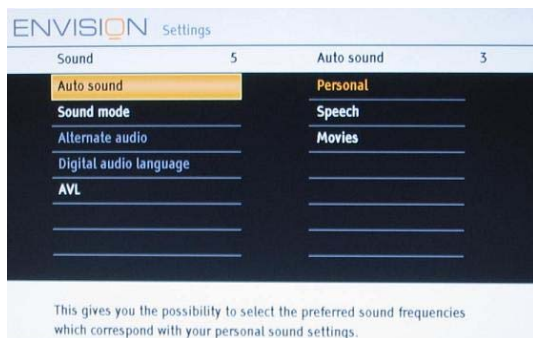
This menu item performs the same as the **MODE** button on the remote control. (Automatic/Super zoom/4:3/Movie expand 14:9/ Movie expand 16:9/16:9 subtitle/Wide screen)See Use of the remote control.

TV MENU- SOUND



1. Select Sound in the TV Settings menu.
2. Press the cursor right key to enter the sound menu.
3. Select the menu items with the cursor up/down key and adjust the settings with the cursor left/right key.
4. Remember, control settings are at normal mid-range levels when the bar scale is entered.

Auto sound

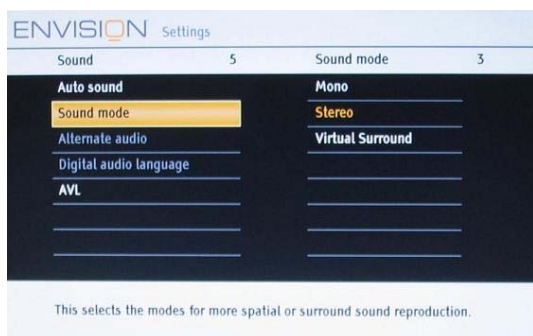


Select Auto sound to display a list of predefined sound settings, each corresponding with specific factory settings of Treble and Bass.

1. Press the cursor right key to enter the list.
2. Press the cursor up/down key to select a predefined sound setting (**Personal/Speech/Movies**). Personal refers to the personal preference sound settings in the sound menu. The default mode is **Speech**.

Note: The moment you are in a predefined Auto sound setting and you modify the Sound menu, all values of the menu will overwrite those previously made in personal setting.

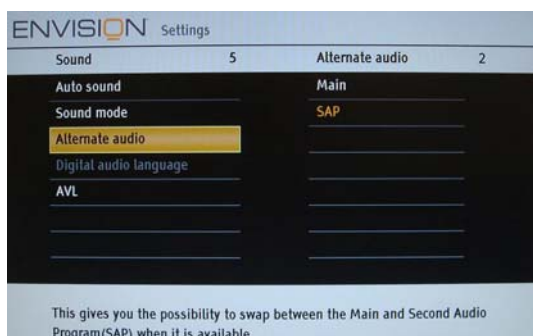
Sound mode



This select the modes for more spatial or surround sound reproduction dependent on the broadcast signals or signals from external inputs received.

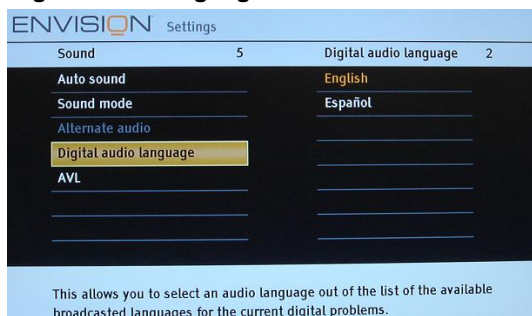
(Mono/Stereo/Virtual Surround)

Alternate audio



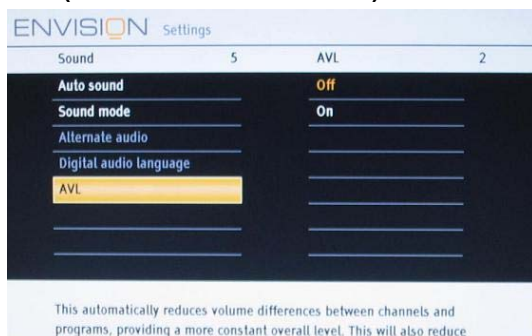
This gives you the possibility to swap between “Main” and second audio program (SAP), when it is available in analog channel.

Digital audio language



This gives you the possibility to swap between main and alternative language, when it is available in digital channel.

AVL (Automatic Volume Leveler)



Automatically reduces the volume differences between channels and programs, providing a more constant overall level. This will also reduce the dynamics of sound.

TV MENU- PARENTAL CONTROL

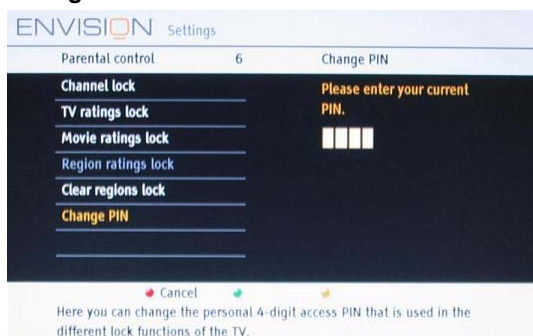


Parental Control menu

This menu can control special functions for the TV channels.

1. Select **Parental Control** in the TV settings menu with the cursor up/down key.
2. Press the cursor right to enter the channels menu.
3. Press the cursor up/down key to select a channels menu item.

Change PIN



1. Select **Set** or **Change PIN** with the cursor down.
2. If no PIN-code exists, the menu item is set to **Set PIN**. Follow the instructions on screen. If a PIN-code has previously been entered, the menu item is set to **Change PIN**. Follow the instructions on screen. All number combinations from 0000 to 9999 are valid numbers.
3. The **menu** reappears with a message confirming that the PIN has been created.

Important: you have forgotten your PIN!

1. Select **Change PIN** in the Menu preferences menu and press the cursor right key.
2. Press the cursor right key to enter the overriding PIN code **0-7-1-1**. Press the cursor again and enter a new personal 4-digit PIN code. The previous code is erased and your new PIN-code is stored.

Channel lock

This allows you to completely lock a certain TV channel or external source.

Select the channels or subchannels you want to lock and press **OK** to confirm.

TV ratings lock

ENVISION Settings

Parental control 6

Channel lock

Channel lock

TV ratings lock

Movie ratings lock

Region ratings lock

Clear regions lock

Change PIN

Please enter your PIN.

■ ■ ■ ■

Cancel

This allows you to completely lock a certain TV channel or external source.

ENVISION Settings

Parental control 6

Channel lock

Channel lock

TV ratings lock

Movie ratings lock

Region ratings lock

Clear regions lock

Change PIN

■ AV1

■ AV2

■ HDMI

Cancel

This allows you to completely lock a certain TV channel or external source.

ENVISION Settings

Parental control 6

TV ratings lock

Channel lock

TV ratings lock

Movie ratings lock

Region ratings lock

Clear regions lock

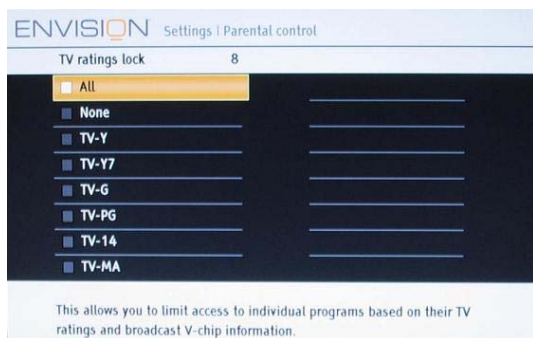
Change PIN

Please enter your PIN.

■ ■ ■ ■

Cancel

This allows you to limit access to individual programs based on their TV ratings and broadcast V-chip information.



Your TV is equipped with a V-chip. This allows you to control access to individual programs based on their movie and TV ratings. All settings apply to all AV inputs, except HDMI. The program content advisory data are sent by the broadcaster or program provider.

1. Select **TV ratings** lock with the cursor down. A list appears, showing the age-based TV ratings and a corresponding content-based ratings list.
 2. Press the cursor right to enter the list.
 3. Select an age-based TV rating with the cursor up/down, and enter, if present, the list with content-based ratings with the cursor right, and select one content-based rating.
 4. Press **OK** to activate/de-activate the selected rating. You are asked to enter your PIN-code (see Set/Change PIN, p. 34). If the code is correct, the TV ratings lock menu reappears.
 5. Select another content-based rating if you like and press **OK** again.
- You need only enter your PIN-code once while the menu is active. You can lock/unlock any number of ratings on the list without re-entering your code. Each ratings item has a box-graphic in front of it to indicate whether or not programs carrying that rating are currently locked:

- ☒: all items in the contents-based list are locked as well;
- ☐: the item is unselected;
- ☒: some content-based ratings are selected/unselected.

When **All** has been selected, all items in the age-based and in the contents-based lists are locked. If, while **All** is selected, any other item, either an age-based or content-based item, is unselected, then All is automatically unselected.

None is the selection for items that either have no rating information or have a rating of **None**. Both will be locked. When an item on the age-based list is selected, all items below that item of the same group are locked as well. When you select a content-based rating, all identical content-based ratings in the younger age-based categories are also selected.

| Age-based Rating | Content-based Rating |
|------------------|---|
| All | none |
| None | none |
| TV-Y | none |
| TV-Y7 | (FV) Fantasy Violence |
| TV-G | none |
| TV-PG | (D) Dialog (L) Language (S) Sex (V) Violence |
| TV-14 | (D) Dialog (L) Language (S) Sex (V) Violence |
| TV-MA | (L) Language (S) Sex (V) Violence |

TV-Y appropriate for children of all ages with themes and elements suitable for children aged 2-6

TV-Y7 programs designed for children age 7 and older

TV-Y7-FV programs include fantasy violence more intense than other programs in the TV-Y7 category

TV-G programs suitable for all ages. These programs contain little or no violence, no strong language and little or no sexual dialogue or situations

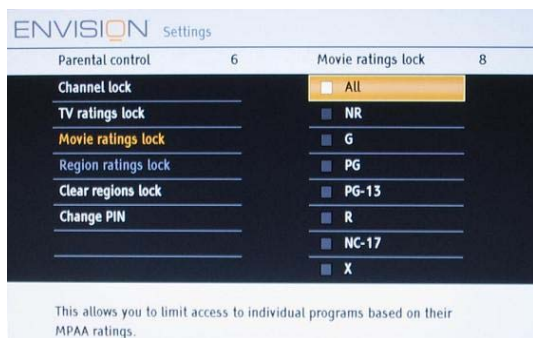
TV-PG programs contain elements that some parents may find unsuitable for younger children and which may need parental guidance. The program may contain moderate violence, sexual dialogue and/or situations and some strong language.

TV-14 programs contain elements that may not be suitable for children under 14 years of age. These programs include one or more of the following: intense violence, intense sexual situations, suggestive dialogue and strong language.

TV-MA programs are designed to be viewed by adults and may be unsuitable for children under the age of 17. These programs may contain graphic violence, explicit sexual activity and/or crude or indecent language.

Movie Ratings Lock

The screenshot shows the ENVISION Settings interface. At the top, the 'Parental control' section is set to '6'. The 'Movie ratings lock' section is active, displaying a list of options: 'Channel lock', 'TV ratings lock', 'Movie ratings lock' (highlighted in yellow), 'Region ratings lock', 'Clear regions lock', and 'Change PIN'. To the right of these options, there is a prompt 'Please enter your PIN.' followed by four empty input boxes. At the bottom of the screen, there are three icons: a red circle with a white 'X' for 'Cancel', a green circle with a white checkmark, and a yellow circle with a white 'X'. Below these icons, a note states: 'This allows you to limit access to individual programs based on their MPAA ratings.'



This function allows you to control access to individual movies based on their MPAA ratings (Motion Picture Association of America).

1. Select Movie ratings lock with the cursor down. A list appears, showing all valid MPAA content ratings.
2. Press the cursor right to enter the list. You are asked to enter your code. (See Set/Change PIN, p. 34.) If the code is correct, the Movie ratings lock menu reappears.
3. Select a movie rating with the cursor up/down.
4. Press OK to activate/de-activate the selected rating.

Each rating item has a box-graphic in front of it to indicate whether or not programs carrying that rating are currently locked:

- ☒: movies with this rating are locked;
- ☐: movies with this rating are unlocked.

When **All** has been selected, all items on the movie ratings list become selected. (**All** movies are locked.) If, while **All** is selected, any other item is unselected, then **All** is automatically unselected.

When **NR** has been selected, no other item is selected.

When any other item has been selected, all ratings below are selected as well, thus all movies with those ratings will be locked.

NR not rated

G movies with a mild content, suitable for all ages

PG movies for which parental guidance is recommended. They may contain a few racy or violent scenes or maybe some bad language

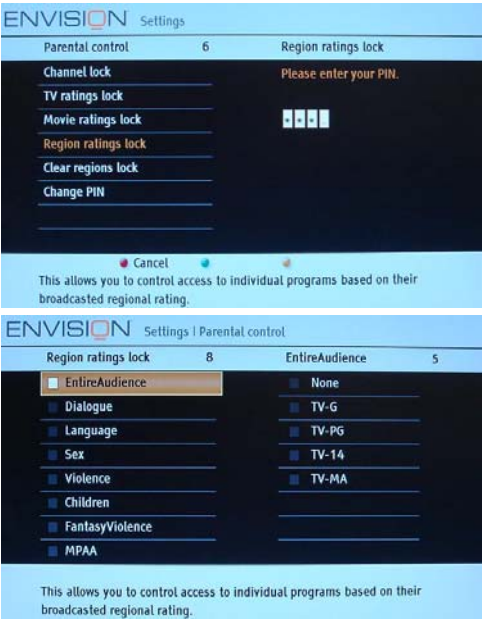
PG-13 movies for which parental guidance may be recommended if under age 13

R restricted. The movies usually contain offensive sex or bad language and may be unsuitable for children under the age of 17. Parental guidance or permission needed.

NC-17 even with parental permission, forbidden under age 17. More offensive sex, violence or bad language.

X movies which generally focus on sex, violence and/or bad language. Also known as pornography.

Region ratings lock

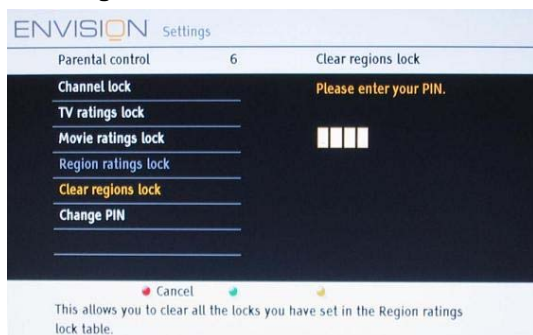


This allows you to control access to individual programs base on their broadcasted regional rating.

1. Select **Region ratings lock** with the cursor down. A list appears, showing the age-based Region ratings and a corresponding content-based ratings list.
 2. Press the cursor right to enter the list.
 3. Select an age-based Region rating with the cursor up/down, and enter, if present, the list with content-based ratings with the cursor right, and select one content-based rating.
 4. Press **OK** to activate/de-activate the selected rating. You are asked to enter your PIN-code (see Set/Change PIN, p. 34). If the code is correct, the Region ratings lock menu reappears.
 5. Select another content-based rating if you like and press **OK** again.
- You need only enter your PIN-code once while the menu is active. You can lock/unlock any number of ratings on the list without re-entering your code. Each ratings item has a box-graphic in front of it to indicate whether or not programs carrying that rating are currently locked:

- ☒: all items in the contents-based list are locked as well;
- ☐: the item is unselected;
- ☒: some content-based ratings are selected/unselected.

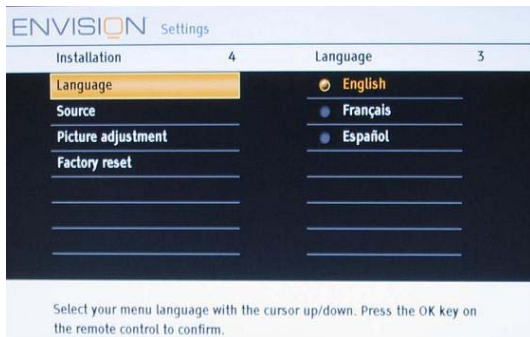
Clear regions lock



This allows you to clear all the locks that you have set in the Region ratings lock table.

1. Select **Clear regions locks** with the cursor down.
2. Enter your PIN-code to clear all region ratings' status.

PC MENU-INSTALLATION



Select the menu language

Note: Press SOURCE button on the remote control to make sure the source is selected in PC mode.

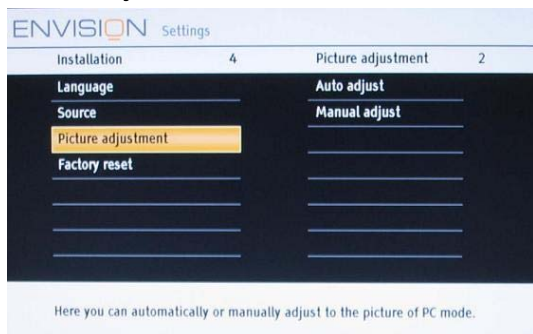
1. Press the **MENU** button on the remote control.
2. Use the cursor down to select **Installation** in the Settings menu.
3. Use the cursor right to enter the Installation menu.
4. Select **Language** and enter the list of available languages with the cursor right.
(English / Spanish/ French)
5. Select your preferred language with the cursor up/down and press the **OK** button to confirm your selection.
6. Proceed with the Installation menu.

Source



1. Select **Source** in the Installation menu.
2. Use the cursor right to enter the Source menu.
3. Select **PC** with the cursor up/down and press the **OK** button to confirm your selection.

Picture adjustment



1. Select **Picture adjustment** in the Installation menu.
2. Use the cursor right to enter the Picture adjustment menu.
3. You can choose **Auto adjust** or **Manual adjust** with cursor up/down and press **OK** button to confirm.

Auto adjust

Automatically adjust to the best image position, phase and clock setting.

Manual adjust

Manually fine tune the image as it appears on the screen.

• Phase

Eliminates the horizontal interfering lines.

• Clock

Eliminates the vertical interfering lines.

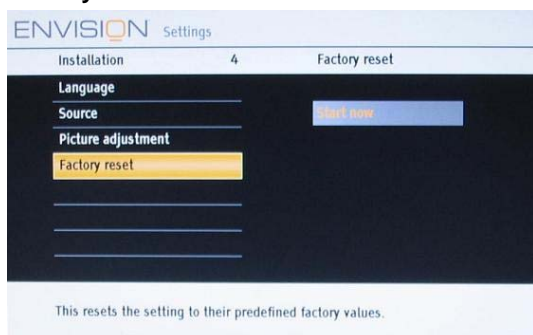
• Horizontal

Adjust the horizontal placement of the picture.

• Vertical

Adjust the vertical placement of the picture.

Factory reset



This function allows you to reset most of the picture and sound settings to their default factory levels.

1. Select **Factory reset** in the Installation menu.
2. Use the cursor right to enter the Factory reset menu.
3. Press the **OK** button to erase settings and reset them to their default values.

PC MENU-PICTURE



Picture menu

1. Press the cursor right key to select **Picture**.
2. Press the cursor right key again to enter the Picture menu.
3. Select the menu items with the cursor up/down key.
4. Adjust the settings with the cursor left/right key or enter the list of submenu items with the cursor right key. Select a submenu item with the cursor up/down key.

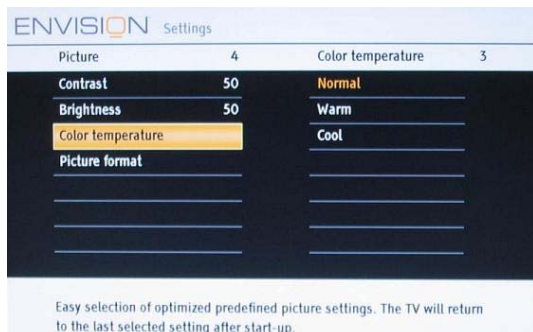
Contrast

This will adjust the intensity of bright parts in the picture but keep the dark parts unchanged. The tuning range is 0 ~ 100.

Brightness

This will adjust the light output of the complete picture, which will mainly affect the darker areas of the picture. The tuning range is 0 ~ 100.

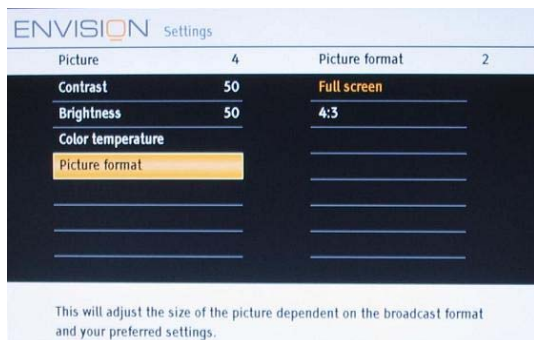
Color temperature



This will increase or decrease **Warm** (red) and **Cool** (blue) colors to suit personal preferences (**Normal/Warm/Cool**). The default mode is **normal**.

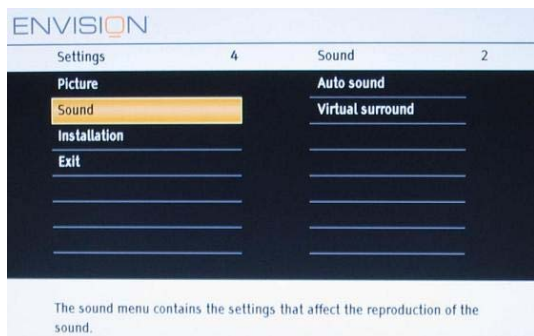
Select **Cool** to give the white colors a blue tint, **Normal** to give the white colors a neutral tint, **Warm** to give the white colors a red tint.

Picture format



This menu item performs **4:3** or **Full screen** in PC mode.

PC MENU-SOUND

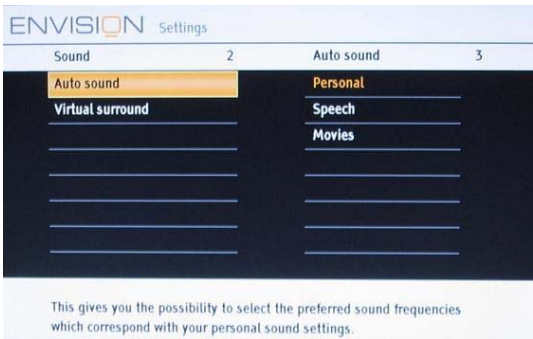


Sound menu

1. Select Sound in the TV Settings menu.
2. Press the cursor right key to enter the sound menu.
3. Select the menu items with the cursor up/down key and adjust the settings with the cursor left/right key.

4.Remember, control settings are at normal mid-range levels when the bar scale is entered.

Auto Sound



English

Select Auto sound to display a list of predefined sound settings, each corresponding with specific factory settings of Treble and Bass.

1.Press the cursor right key to enter the list.

2.Press the cursor up/down key to select a predefined sound setting (**Personal/Speech/Movie**). The default mode is **Speech**.

Personal refers to the personal preference sound settings in the sound menu.

Note: The moment you are in a predefined Auto sound setting and you modify a setting in the Sound menu, all values of the menu will overwrite the previously made in personal setting.

Virtual sound



Adds greater depth and dimension to PC sound.

TIPS

Care of the screen

Do not rub or strike the screen with anything hard as this may scratch, mar, or damage the screen permanently.

Unplug the power cord before cleaning the screen. Dust the TV by wiping the screen and the cabinet with a soft, clean cloth. If the screen requires additional cleaning, use a clean, damp cloth. Do not use liquid cleaners or aerosol cleaners.

Mobile telephone warning

To avoid disturbances in picture and sound, malfunctioning of your TV or even damage to the TV, keep away your mobile telephone from the TV.

End of life directives

We are paying a lot of attention to produce environmentally friendly in green focal areas. Your new receiver contains materials, which can be recycled and reused.

At the end of its life specialized companies can dismantle the discarded receiver to concentrate the reusable materials and to minimize the amount of materials to be disposed of.

Please ensure you dispose of your old receiver according to local regulations.

Regulatory Notices – Federal Communications Commission Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and the TV.

- Connect the equipment into wall power outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio or television technician for help.

Modifications –

The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Norcent Technology Inc. may void the user's authority to operate the equipment.

Cables –

Connections to this device must be made with shielded cables with metallic RF/EMI connector hoods to maintain compliance with FCC Rules and Regulations.

Canadian notice –

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Avis Canadian –

Cet appareil numérique de la classe B respecte toutes les exigences du règlement sur le matériel brouilleur du Canada.

PRODUCT SPECIFICATION

NOTE:

*This model complies with the specifications listed below.

*Designs and specifications are subject to change without notice.

*This model may not be compatible with features and/or specifications that may be added in the future.

Television System:

NTSC standard

ATSC standard (8-VSB, Clear-QAM)

Channel Coverage:

VHF: 2 through 13

UHF: 14 through 69

Cable TV: Mild band (A-8 through A-1, A through I)

Super band (J through W)

Hyper band (AA through ZZ, AAA, BBB)

Ultra band (65 through 94, 100 through 125)

Power Source:

AC power supply: 100V~240 V, 50/60 Hz

Power Consumption

≤ 50W

<1 W in standby mode (power cord plugged in and power OFF)

Audio Power

3 W + 3 W, Internal Speaker

Video/Audio Terminals:

Rear AV include 2 Groups:

AV1+AUDIO L/R / AV2+AUDIO L/R

AV1: Component Input

Y: 1V (p-p), 75ohm, including sync.

Pb: 700 mV(p-p), 75ohm

Pr: 700 mV(p-p), 75ohm

Audio: 500mV(rms)

Suggested Resolutions: 1080i, 720p, 480p, 480i

AV2: CVBS/S-Video Input

CVBS Video: 1V (p-p), 75ohm, negative sync.

S-Video: Y: 1V (p-p), 75ohm, negative sync.

C: 300mV (p-p) (burst signal), 75ohm

Audio: 500mV (rms)

HDMI Terminals:

HDMI INPUT: Rear HDMI include 1 HDMI Input
HDCP compliant

E-EDID compliant

Suggested scan rates: 1080i, 720p, 480p, 480i

VGA Terminals:

VGA INPUT:

Rear VGA include 1 D-SUB 15 Pin Input

E-EDID compliant

Suggested scan rates: 640X480 /60Hz

800x600 /56Hz

800X600 /60Hz

1024X768 /60Hz

1360X768 /60Hz

1440X900 /60Hz

Audio INPUT: Headphone Mini-jack for stereo (3.5Φ)

Video/Audio Output:

SPDIF Output: 0.5V--1.0V Square Wave

Headphone: 3.5mm Stereo Jack, 32, 10mW

Dimensions:

Include Stand:

468mm(L) x 386 mm(W) x 128mm(H)

Weight: 5.40kg

Wall Mounting:

VESA: 100 X 100 mm

Supplied Accessories:

1pcs Power cord

1pcs Remote control

(with two AAA alkaline batteries)

1pcs User manual

1pcs Signal cable

1pcs Pc Audio cable

BEFORE CALLING SERVICE

Please make these simple checks before calling service. These tips may save you time and money since charges for receiver installation and adjustments of customer controls are not covered under your warranty.

| Symptoms | Items to Check and Actions to follow |
|---|--|
| "Ghost " or double image | *This may be caused by obstruction to the antenna due to high rise buildings or hills. Using a highly directional antenna may improve the picture. |
| No power | *Check that the TV's AC power cord is plugged into the mains socket. *Unplug the TV, wait for 60 seconds. Then re-insert plug into the mains socket and turn on the TV again. |
| No picture | *Check antenna connection at the rear of the TV to see if it is properly connected to the TV. *Possible broadcast station trouble. Try another channel. *Adjust the contrast and brightness settings. *Check the Closed Captions setting. Some TEXT modes could block the screen, |
| Good picture but no sound | *Increase the VOLUME. *Check that the TV is not muted; press the MUTE button on the remote control. |
| Good sound but poor color | *Adjust the contrast, color and brightness settings. |
| Poor picture | *Sometimes, poor picture quality occurs when having activated an S-VHS camera or camcorder connected and having connected another peripheral at the same time. In this case switch off one of the other peripherals |
| Snowy picture and noise | *Check the antenna connection |
| Horizontal dotted line | *This may be caused by electrical interference (e.g. hairdryer, nearby neon lights, etc.) *Turn off the equipment. |
| Television not responding to remote control | *Check whether the batteries are working. Replace if necessary *Clean the remote control sensor lens on the TV. *You can still use the buttons at the front of your TV. *Select the TV mode to be sure your remote control is in the TV mode. |

GLOSSARY

Audio / Video Inputs

Located on the rear and the front of the receiver these connectors (RCA phono type plug) are used for the input of audio and video signals. Designed for use with VCRs (or other accessories) in order to receive higher picture resolution and offer sound connection options.

Menu

An on-screen listing of features shown on the TV screen is made available for user adjustments.

MPAA

Motion Picture Association of America

Multichannel Television sound (MTS)

The broadcasting standard, which allows stereo sounds to be transmitted with the TV picture.

Programming

The procedure of adding or deleting channel numbers into the TV's memory. In this way the TV remembers only the locally available or desired channel numbers and skips over any unwanted channel numbers.

RF

Radio Frequency or modulated signal design used as the carrier for television broadcasts.

Second Audio Program (SAP)

Another or additional audio channel provided for in the Multichannel Television Sound (MTS) broadcast standard. A monaural soundtrack included within the recorded or video signal (usually containing a second language translation for the displayed program).

Sleep Timer

You can set a time period for which the TV will automatically turn itself off.

S-Video Input

You can connect your TV set to a high-resolution video source (such as Super VHS video-cassette recorder, Laser Disc player and DVD Home Theater Set) in order to provide maximum consumer viewing satisfaction.